

**CLAIM AMENDMENTS**

This listing of claims will replace all prior versions and listings of claims in the application.

**Listing of Claims**

1 1. (Currently Amended) A display device that reduces energy consumption during  
2 row transitions comprising:  
3       with a plurality of pixels arranged in an array having n rows and m columns,  
4 each of said pixels comprising:  
5             a switching element having a gate, and  
6             a capacitor coupled to said switching element;  
7       rows n and columns m, wherein the pixels of a row can be selected through  
8       control lines and data lines that select said pixels; ~~and with~~  
9       a row driver circuit ~~for activating that activates each pixel in the n rows by~~  
10 means of a row voltage applied to said gate of said switching element; and with  
11       a column driver circuit ~~for controlling that controls the m columns with a~~  
12 column voltage, which voltages correspond said column voltage corresponding to the  
13 image data of the pixels of the ~~a~~ selected row to be displayed, and  
14       wherein, ~~it is provided upon during~~ a transition from a selected row n to  
15 another row n+x, said capacitor is charged with an intermediate voltage level

16 ~~during discharging of row n and row n+x is charged with said intermediate voltage~~  
17 ~~level by said capacitor after the row voltage of row n is fully discharged that the row~~  
18 ~~voltage is connected to an intermediate voltage level, and the row n+x is first~~  
19 ~~connected to said intermediate voltage level and subsequently is charged up to the~~  
20 ~~required row voltage wherein the charge of the selected row n can be stored in a~~  
21 ~~capacitor at the intermediate voltage level.~~

1 2. (Currently Amended) A display device as claimed in claim 1,

2 characterized in that a plurality of intermediate voltage levels is ~~are~~ provided  
3 for ~~the~~ charge sharing, and the selected row n can be coupled in steps to a first  
4 intermediate voltage level and subsequently to ~~the~~ further intermediate voltage  
5 levels up to ~~the~~ a final intermediate voltage level for the purpose of charge sharing.

1 3. (Canceled).

1 4. (Currently Amended) A display device as claimed in claim 1,

2 wherein ~~the~~ a maximum column voltage is used as the intermediate voltage  
3 level.

1 5. (Currently Amended) A display device as claimed in claim 1,

wherein ~~the~~ a voltage corresponding to the intermediate voltage level is half  
of the applied row voltage.

6. (Currently Amended) A display device as claimed in claim 1,

wherein a switching unit is provided for first connecting the selected row  $n$ ,  
and subsequently the ~~next~~ row  $n+x$  to the intermediate voltage level.

7. (Currently Amended) A method of reducing energy consumption during row  
transitions in controlling a display device with pixels arranged in rows  $n$  and  
columns  $m$ , each pixel comprising a capacitor coupled to a switching element, said  
method comprising the following steps:

supplying wherein row voltages ~~are supplied~~ to the rows via control lines so  
as to select said rows;

and wherein ~~supplying~~ column voltages ~~are supplied~~ to the columns  $m$  via  
data lines;

during a transition from a selected row  $n$  to another row  $n+x$ ,  
charging said capacitor to an intermediate voltage level during discharging of  
selected row  $n$ ;

charging row  $n+x$  to said intermediate voltage level with said capacitor after  
the row voltage of row  $n$  is fully discharged

14 ~~and wherein the rows are consecutively selected, and in the case of a transition~~  
15 ~~from a selected row  $n$  to another row  $n+1$  the charge applied to the selected row  $n$  is~~  
16 ~~transferred to an intermediate voltage level, and the other row  $n+1$  is first~~  
17 ~~connected to said intermediate voltage level and is subsequently charged up to the~~  
18 ~~required control voltage, wherein the charge of the selected row  $n$  can be stored in a~~  
19 ~~capacitor at the intermediate voltage level.~~